

8.0 SUMMARY OF ENVIRONMENTAL PERMITS REQUIRED

Table 8-1 provides a summary of permitting requirements for the Redoubt Shoal Unit Development Project. Information on the current status of many of the required permits or approvals has not been provided to EPA by Forest Oil.

Mitigation measures were identified in Section 4. Federal and state agencies under whose permit authorization the mitigation measures may be applicable are summarized below:

- Water quality monitoring: EPA
- Air monitoring during construction and operations: Alaska Dept. of Environmental Conservation, as authorized by EPA
- Wetlands mitigation and restoration activities: U.S. Army Corps of Engineers
- Measures to minimize the likelihood and consequences of a spill (including inspection and monitoring of pipelines, secondary containment and overfill protection for tanks, blowout preventers, and Facility Response and SPCC Plans): Alaska Dept. of Environmental Conservation, U.S. Coast Guard, Minerals Management Service, EPA, Research and Special Programs Administration
- Measures to minimize impacts on cultural, historical, and archaeological resources: Alaska Dept. of Natural Resources, State Historic Preservation Officer

Table 8-1
Permit Requirements for the Redoubt Shoal Unit Development Project

Agency	Action Requiring Permit or Approval	Permit or Approval Required	Status
Environmental Protection Agency	Wastewater discharges from the Osprey Platform	NPDES Permit	Application submitted 2/29/01
	Major federal action significantly affecting the quality of the environment (e.g., issuance of NPDES permit)	Environmental Assessment	In preparation (this document)
	Major federal action significantly affecting the quality of the environment (e.g., issuance of NPDES permit)	Environmental Impact Statement	May be required if EA identifies potentially significant impacts
	Wastewater discharge to ground from production facility	UIC Class I Industrial Well Permit (SDWA)	Unknown
	Oil storage and spill prevention	SPCC Plan (CWA)	Must be submitted within 6 months of startup
Minerals Management Service	Operation of an oil handling facility (including pipelines) seaward of the coastline	Facility Response Plan	Submitted 4/2/01
National Marine Fisheries Service	Terrestrial, avian, and marine impacts	Consultation for Threatened and Endangered Species (ESA Section 7)	Biological Assessment submitted January 2001; concurrence received
	Terrestrial, avian, and marine impacts	Fish and Wildlife Consultation (FWCA)	Unknown
	Terrestrial, avian, and marine impacts	Marine Mammal Consultation (MMPA)	Unknown
	Terrestrial, avian, and marine impacts	Essential Fish Habitat Consultation (MSA)	EFH Assessment submitted January 2001; concurrence received
Research and Special Projects Administration, U.S. Department of Transportation	Onshore oil pipeline	Facility Response Plan	Submitted 4/2/01 (C-Plan)
U.S. Coast Guard	Oil storage and spill prevention	Facility Response Plan (Oil Pollution Act of 1990)	C-Plan submitted 4/2/01
U.S. Army Corps of Engineers	Construction in wetlands (onshore pipeline and production facility)	Wetlands Determination	Site reconnaissance in September 2000
	Construction in wetlands (onshore pipeline and production facility)	Dredge and Fill Permit (CWA Section 404)	Application submitted 3/30/01
	Construction of submerged pipelines	Section 10 Certification (Rivers and Harbors Act)	Unknown
	Construction in wetlands (onshore pipeline and production facility)	Section 401 Certification	Corps of Engineers must approve

Table 8-1 (Continued)
Permit Requirements for the Redoubt Shoal Unit Development Project

Agency	Action Requiring Permit or Approval	Permit or Approval Required	Status
U.S. Fish and Wildlife Service	Terrestrial, avian, and marine impacts	Consultation for Threatened and Endangered Species (ESA Section 7)	Biological Assessment submitted January 2001; concurrence received
	Terrestrial, avian, and marine impacts	Fish and Wildlife Consultation (FWCA)	Unknown
Alaska Division of Governmental Coordination	Construction of onshore and offshore pipelines	Coastal Zone Management Questionnaire and Consistency Review	Application submitted 3/30/01
Alaska Department of Environmental Conservation	Construction activities that may result in air emissions	Air Quality Construction Permit	Applications submitted October 2001
	Operational activities that result in air emissions	Title V Operations Permit	Unknown
	Air emissions in excess of 250 tons per year of a regulated pollutant in an area that meets NAAQS	PSD Air Permit	Not required
	Wastewater discharges from the Osprey Platform	Certificate of Reasonable Assurance/NPDES and Mixing Zone Approval (CWA Section 402)	Unknown
	Operation of a pipeline and oil production facility	Oil Discharge Prevention and Contingency Plan (C-Plan)	C-Plan submitted 4/2/01
	Construction in wetlands (onshore pipeline and production facility)	Certificate of Reasonable Assurance under CWA Section 401	Unknown
	Generation of construction wastes	Solid Waste Permit	Unknown
	Wastewater discharge to ground from production facility	Wastewater Permit for discharges to septic systems (Title 18 AAC 72)	Unknown
Alaska Department of Fish and Game	In-stream construction	Fish Habitat Permit (Title 16)	Not required for proposed project

Table 8-1 (Continued)
Permit Requirements for the Redoubt Shoal Unit Development Project

Agency	Action Requiring Permit or Approval	Permit or Approval Required	Status
Alaska Department of Natural Resources	Construction of pipeline	Pipeline Right-of-Way Lease	Unknown
	Use of deep groundwater to support production activities (555 gpm)	Temporary Water Use Permit and Water Rights	Application submitted 4/2/01
	Use of shallow groundwater to supply potable water (30 gpm)	Temporary Water Use Permit and Water Rights	Application submitted 4/2/01
	Construction activities that may affect historical, cultural, or archaeological resources	Environmental/Cultural Training Program	Was initiated in June 2000
	Construction activities that may affect historical, cultural, or archaeological resources	Cultural Resource Concurrence under the NHPA	Programmatic Agreement is attached as Appendix E
Alaska Oil & Gas Conservation Commission (AOGCC)	Drilling for oil and gas	Application for Permit to Drill	Unknown
	Underground injection control (re injection of drilling muds and cuttings)	Annual Injection Well Permit	Was submitted as part of exploratory drilling program
	Underground injection control (re injection of drilling fluids)	Class II Well Area Injection Order	Unknown
Alaska State Historical Preservation Officer	Construction activities that may affect historical, cultural, or archaeological resources	Cultural Resource Concurrence under the NHPA	Programmatic Agreement is attached as Appendix E
Kenai Peninsula Borough	Gravel requirements for construction of access road and onshore production facility	Gravel Mining Permit	Unknown

NPDES - National Pollutant Discharge Elimination System
 UIC - Underground Injection Control
 SDWA - Safe Drinking Water Act
 SPCC - Spill Prevention, Control, and Countermeasures
 CWA - Clean Water Act
 ADEC - Alaska Department of Environmental Conservation
 ESA - Endangered Species Act
 FWCA - Fish and Wildlife Conservation Act
 MMPA - Marine Mammal Protection Act
 MSA - Magnuson-Stevens Act
 EFH - Essential Fish Habitat
 PSD - Prevention of Significant Deterioration
 NAAQS - National Ambient Air Quality Standards
 AAC - Alaska Administrative Code
 NHPA - National Historic Preservation Act